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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/931,912 08/20/2001		Nghi Van Nguyen	05725.0593-00 4343		
22852	7590 12/05/2005		EXAMINER		
FINNEGAN	I, HENDERSON, FAR	ELHILO, EISA B			
LLP 901 NEW YO	ORK AVENUE, NW		ART UNIT	PAPER NUMBER	
	ON, DC 20001-4413	1751	_		

DATE MAILED: 12/05/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application	No.	Applicant(s)				
Office Action Summary		09/931,912		NGUYEN ET AL.				
		Examiner		Art Unit				
		Eisa B. Elhi	0	1751				
Period fo	The MAILING DATE of this communication app or Reply	ears on the o	over sheet with the c	orrespondence address	S			
A SH WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANSIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. Operiod for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS 36(a). In no even will apply and will of cause the applic	S COMMUNICATION t, however, may a reply be tine expire SIX (6) MONTHS from ation to become ABANDONE	N. nely filed I the mailing date of this commun ED (35 U.S.C. § 133).				
Status								
1)⊠	Responsive to communication(s) filed on <u>07 Se</u>	eptember 20	<u>05</u> .					
2a)⊠	This action is FINAL . 2b) This action is non-final.							
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
	closed in accordance with the practice under E	x parte Qua	yle, 1935 C.D. 11, 4	53 O.G. 213.	•			
Disposit	ion of Claims	v						
4)⊠	Claim(s) 1-19 and 21-131 is/are pending in the	application.						
	4a) Of the above claim(s) <u>43-131</u> is/are withdrawn from consideration.							
5)□	Claim(s) is/are allowed.							
6)⊠	Claim(s) 1-19 and 21-42 is/are rejected.							
·	Claim(s) is/are objected to.							
8)∐	Claim(s) are subject to restriction and/or	r election red	quirement.					
Applicat	ion Papers							
9)□	The specification is objected to by the Examine	r.						
10)	The drawing(s) filed on is/are: a) acce	epted or b)	objected to by the	Examiner.				
	Applicant may not request that any objection to the	drawing(s) be	held in abeyance. See	e 37 CFR 1.85(a).				
	Replacement drawing sheet(s) including the correct	ion is required	I if the drawing(s) is ob	jected to. See 37 CFR 1.	121(d).			
11)	The oath or declaration is objected to by the Ex	aminer. Not	the attached Office	Action or form PTO-19	52.			
Priority (under 35 U.S.C. § 119							
•	Acknowledgment is made of a claim for foreign All b) Some * c) None of:	priority unde	er 35 U.S.C. § 119(a)-(d) or (f).				
	1. Certified copies of the priority documents	s have been	received.					
	2. Certified copies of the priority documents	s have been	received in Applicati	ion No				
	3. Copies of the certified copies of the prior	rity documer	ts have been receive	ed in this National Stag	je			
	application from the International Bureau	•						
* (See the attached detailed Office action for a list	of the certific	ed copies not receive	∍d.				
Attachmen	nt(s)		_					
	be of References Cited (PTO-892) be of Draftsperson's Patent Drawing Review (PTO-948)	4	 Interview Summary Paper No(s)/Mail D 					
3) 🔯 Infor	mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Pro(s)/Mail Date 8/26/2003 & 9/7/05.			Patent Application (PTO-152))			

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DETAILED ACTION

1 This action is responsive to the remarks filed on September 7, 2005.

- Claims 1-5, 7-11, 18-19, 21, 25-26, 29, 32-34 and 37-41 stand rejected under 35 U.S.C. 102 (b) as being anticipated by Helioff et al. (US 4,793,994) for the reasons set forth in the previous office action mailed on March 8, 2005.
- Claims 6, 22-23, 36 and 42 stand rejected under 35 U.S.C. 103 (a) as being unpatentable over Helioff et al. (US 4,793,994) for the reasons set forth in the previous office action mailed on March 8, 2005.
- 4 Claims 12-17, 27 and 30-31 stand rejected under 35 U.S.C. 103 (a) as being unpatentable over Helioff et al. (US 4,793,994) in view of Au et al. (US 5, 872,111) for the reasons set forth in the previous office action mailed on March 8, 2005.
- Claims 24 and 35 stand rejected under 35 U.S.C. 103 (a) as being unpatentable over Helioff et al. (US 4,793,994) in view of Mathews et al. (US 4,816,246) for the reasons set forth in the previous office action mailed on March 8, 2005.
- Claim 28 stands rejected under 35 U.S.C. 103 (a) as being unpatentable over Helioff et al. (US 4,793,994) in view of Pyles et al. (US 2001/0008630 A1) for the reasons set forth in the previous office action mailed on March 8, 2005.
- 7 Claims 43-131 are withdrawn from consideration for the reasons set forth in the previous office action mailed on 7/22/2003.

Response to Applicant's Arguments

8 Applicant's arguments filed 9/7/2005 have been fully considered but they are not persuasive.

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With respect to the rejection of claims 1-5, 7-11, 18-19, 21, 25-26, 29, 32-34 and 37-41 under 35 U.S.C. 102 (b) as being anticipated by Helioff et al. (US' 994), Applicant argues that Helioff does not anticipate the present claims at least because it does not disclose at least one reducing agent chosen from thiols, sulfites and derivatives thereof and at least one complexing agent effective for dissociating the at least one hydroxide compound in a sufficient quantity to effect lanthionization of keratinous fibers, wherein at least one hydroxide compound and at least one reducing agent are present in a combined amount effective to relax keratinous fibers.

The examiner respectfully disagrees with the above arguments because a claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described, in a single prior art reference." *Verdegeaal Bros.* v. *Union Oil Co. of California*, 824 F.2d 628, 631, 2 USPQ2d 1051, 1053 (Fed. Cir. 1987). Further, when a claim covers several structures or compositions, either generically or as alternatives, the claim is deemed anticipated if any of the structures or compositions within the scope of the claims is known in the prior art." *Brown v. 3M*, 265 F.3d 1349, 1351, 60 USPQ2d 1375, 1376 (Fed. Cir. 2001).

In this case Helioff et al. (US' 994) teaches a composition comprising hydroxide compounds include ammonium hydroxide and potassium hydroxide, reducing agents of ammonium bisulfite (NH₄HSO₃) and sodium bisulfite (NaHSO₃) as sulfite derivatives and chelating agent (complexing agent) wherein these ingredients are presented in the claimed amounts (see col. 5, the Table). Therefore, the disclosure of Helioff et al. (US' 994) teaches a composition having the limitations of the claimed invention and is capable of performing the lanthionization of keratinous fibers.

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Further, based on the disclosure of Schoon (1993), Applicant argues that the permanent waving formulation of Helioff cannot simultaneously teach a permanent waving solution and at least one complexing agent effective for dissociating the at least one hydroxide compound in a sufficient quantity to effect lanthionization of keratinous fibers as claimed because the chelating agent in the bisulfite waving formulation as taught by Helioff can not dissociate the hydroxide compound in a sufficient quantity to effect lanthionization of keratinous fibers.

The Examiner respectfully disagrees with the above arguments because the disclosure of the article (Milady's hair structure and chemistry simplified) teaches and discloses the property of the chemical radical disulfide "-S₂" while Helioff et al. (US' 994) teaches a radical of bisulfite "-HSO₃". Further, the article teaches that Sodium bisulfite as a reducing agent can also be used as relaxers (see page 191). Therefore, the composition of Helioff et al. can be used for lanthionizing keratinous fibers as claimed. Therefore, the anticipation rejection is proper and maintained.

With respect to the rejection of claims 6, 22-23, 36 and 42 under 35 U.S.C. 103(a) as being unpatentable over Helioff et al. (US' 994), Applicant argues that the Examiner has not made a prima facie showing of obviousness because Helioff does not teach or disclose all of the claimed element of claim 1 as disclosed above.

The Examiner respectfully disagrees with the above argument for same reasons mentioned above.

With respect to the rejection of claims 12-17, 27 and 30-31 under 35 U.S.C. 103(a) as being unpatentable over Helioff et al. (US' 994) in view of Au et al. (US' 111), Applicant

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argues that the Examiner has not made a prima facie showing of obviousness because Helioff does not teach or disclose all of the claimed element of claim 1 as disclosed above.

The Examiner respectfully disagrees with the above argument for the same reasons mentioned above.

With respect to the rejection of claims 24 and 35 under 35 U.S.C. 103(a) as being unpatentable over Helioff et al. (US' 994) in view of Mathews et al. (US' 246), Applicant argues that the Examiner has not made a prima facie showing of obviousness because Helioff does not teach or disclose all of the claimed element of claim 1 as disclosed above.

The Examiner respectfully disagrees with the above argument for the same reasons mentioned above.

With respect to the rejection of claim 28 under 35 U.S.C. 103(a) as being unpatentable over Helioff et al. (US' 994) in view of Pyles et al. (US' 630 A1), Applicant argues that the Examiner has not made a prima facie showing of obviousness because Helioff does not teach or disclose all of the claimed element of claim 1 as disclosed above.

The Examiner respectfully disagrees with the above argument for the same reasons mentioned above.

Conclusion

9 THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE

MONTHS from the mailing date of this action. In the event a first reply is filed within TWO

MONTHS of the mailing date of this final action and the advisory action is not mailed until after

the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eisa B. Elhilo whose telephone number is (571) 272-1315. The examiner can normally be reached on M - F (8:00 -5:30) with alternate Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Yogendra Gupta can be reached on (571) 272-1316. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Eisa Elhilo

Primary Examiner

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